

L Number	Hits	Search Text	DB	Time stamp
	115	"oinoue, hiroshi".in. "maru, shinichi".in. "usui, junichi".in. "konno, toshihiko".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:35
	4	("oinoue, hiroshi".in. "maru, shinichi".in. "usui, junichi".in. "konno, toshihiko".in.) and virtual	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 10:58
	10	("4594729" "4769843" "4866776" "5068897" "5073944" "5285503" "5710818" "5883961" "6067360" "6307941").PN.	USPAT	2004/06/17 10:51
1515830		height elevation vertical near2 (position location placement)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:02
151271		virtual	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:02
405342		virtual\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:02
2933553		sound source \$4speaker	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:02
	557	(height elevation vertical near2 (position location placement)) same virtual\$2 same (sound source \$4speaker)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:03
	117	(height elevation vertical near2 (position location placement)) with virtual\$2 with (sound source \$4speaker)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:03
31148		381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:03
	19	((height elevation vertical near2 (position location placement)) with virtual\$2 with (sound source \$4speaker)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:03
	47	((height elevation vertical near2 (position location placement)) same virtual\$2 same (sound source \$4speaker)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:25
	5	5999630.URPN.	USPAT	2004/06/17 11:16
	9	("5105462" "5371799" "5467401" "5581618" "5666425" "5822438" "5946400" "6259795" "6307941").PN.	USPAT	2004/06/17 11:22
117229		lowpass low adj pass	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:25
	6107	(lowpass low adj pass) with attenuat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:25

	362	((lowpass low adj pass) with attenuat\$4) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:25
	51	((lowpass low adj pass) with attenuat\$4) and 381/\$.ccls.) and virtual\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:44
	4	("5067157" "5119420" "5121433" "5305386").PN.	USPAT	2004/06/17 11:37
	646	381/1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:50
	154	381/1.ccls. and (lowpass low adj pass)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:51
	129	381/1.ccls. and (lowpass low adj pass) and difference	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 11:51
	4	("3213180" "3535969" "4182930" "4698842").PN.	USPAT	2004/06/17 12:30
	2	4817149.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:36
	1794	381/1.ccls. 381/63.ccls. 381/61.ccls. 381/17.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:36
	1718632	height elevation (higher vertical) near3 (level position location)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:43
	5	("4060696" "4119798" "4143244" "4188504" "4251688").PN.	USPAT	2004/06/17 12:41
	262	(381/1.ccls. 381/63.ccls. 381/61.ccls. 381/17.ccls.) and (height elevation (higher vertical) near3 (level position location))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:43
	117229	lowpass low adj pass	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 15:49
	97	((381/1.ccls. 381/63.ccls. 381/61.ccls. 381/17.ccls.) and (height elevation (higher vertical) near3 (level position location))) and (lowpass low adj pass)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 12:43
	5	("4027102" "4158749" "4222394" "4331837" "4359604").PN.	USPAT	2004/06/17 12:45
	8	4506379.URPN.	USPAT	2004/06/17 12:46
	71	4817149.URPN.	USPAT	2004/06/17 12:52
	47	5105462.URPN.	USPAT	2004/06/17 13:00

	62	("3229038" "3665105" "3697692" "3745254" "3757047" "3761631" "3772479" "3849600" "3885101" "3925615" "4024344" "4204092" "4209665" "4218583" "4219696" "4237343" "4308423" "4308424" "4309570" "4329544" "4332979" "4355203" "4356349" "4393270" "4394536" "4408095" "4479235" "4489432" "4495637" "4497064" "4503554" "4567607" "4569074" "4589129" "4594610" "4594729" "4594730" "4622691" "4648117" "4696036" "4703502" "4748669" "4856064" "4866774" "4866776" "4888809" "4953213" "5033092" "5046097" "5105462" "5146507" "5180990" "5208860" "5228085" "5251260" "5255326" "5325435" "5371799" "5386082" "5420929" "5533129" "5661808").PN.	USPAT	2004/06/17 13:41
	7	5850453.URPN.	USPAT	2004/06/17 15:15
	9	("4118599" "4188504" "4219696" "4817149" "4908858" "5046097" "5105462" "5386082" "5500900").PN.	USPAT	2004/06/17 15:27
	16	("4817149" "5173944" "5272757" "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN.	USPAT	2004/06/17 15:43
	5466	(lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:56
	1748281	differential adj amplif\$4 subtract\$ difference	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 15:50
	1075	((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) same (differential adj amplif\$4 subtract\$ difference)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:47
	5853	flat\$3 near2 frequenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 15:51
	35	((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) same (differential adj amplif\$4 subtract\$ difference)) and (flat\$3 near2 frequenc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 15:53
	0	GB-1385024-\$.did	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 15:54
	1	GB-1385024-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:34
	5	("4438525" "4550426" "4611300" "5131051" "5146507").PN.	USPAT	2004/06/17 16:01
	2	4438525.URPN.	USPAT	2004/06/17 16:08
	3	("3221092" "4087631" "4184047").PN.	USPAT	2004/06/17 16:08

		35	("1616639" "1951669" "2113976" "2315248" "2315249" "2461344" "3398810" "3612211" "4045748" "4118600" "4182930" "4481662" "4698842" "4748669" "4790014" "4819269" "4836329" "4841572" "4866774" "5067157" "5177329" "5251260" "5319713" "5333201" "5359665" "5459813" "5638452" "5661808" "5668885" "5771295" "5771296" "5784468" "5850453" "5872851" "5930373").PN.	USPAT	2004/06/17 16:19
		13	("2379714" "2408692" "3127476" "3281533" "3539725" "3805177" "3842702" "4150253" "4182930" "4982435" "5023490" "5175770" "5276764").PN.	USPAT	2004/06/17 16:22
		4	("4220160" "4594731" "4698842" "4821327").PN.	USPAT	2004/06/17 16:32
		2	ep-312406\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:35
		66	("3229038" "3665105" "3697692" "3745254" "3757047" "3761631" "3772479" "3849600" "3885101" "3921104" "3925615" "4024344" "4052560" "4204092" "4209665" "4218583" "4219696" "4237343" "4308423" "4308424" "4309570" "4329544" "4332979" "4355203" "4356349" "4393270" "4394536" "4408095" "4479235" "4489432" "4495637" "4497064" "4503554" "4567607" "4569074" "4589129" "4594610" "4594729" "4594730" "4622691" "4648117" "4696036" "4703502" "4748669" "4856064" "4866774" "4866776" "4888809" "4891560" "4953213" "5033092" "5046097" "5105462" "5146507" "5180990" "5208860" "5228085" "5251260" "5255326" "5325435" "5371799" "5386082" "5420929" "5533129" "5661808" "5822438").PN.	USPAT	2004/06/17 16:40
		89	((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) same (differential adj amplif\$4 subtract\$ difference) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:56
		3758	((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:56
		1548	((((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left right))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:57
		988	((((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left and right))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 16:57
		158	(((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left and right)) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:30
		23	((((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left and right)) and 381/\$.ccls. and virtual	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/17 17:25

	5	((((lowpass low adj pass) same (adjustable variable) same (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left and right)) and 381/61.ccls. and virtual "4320534".PN. 381/86.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/17 17:25 2004/06/17 17:28 2004/06/17 17:36
	31	381/86.ccls. and flat\$2 near3 frequenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/17 17:36
	13	("4553257" "5081682" "5107539" "5138665" "5172358" "5255324" "5434926" "5450494" "5453716" "5666426" "5771297" "5892832" "5907622").PN.	USPAT	2004/06/17 17:41
	2	("4484345" "5543759").PN.	USPAT	2004/06/17 17:42
	1	5892832.URPN.	USPAT	2004/06/17 17:42
	10	("3604859" "4406923" "4453258" "4553257" "4558213" "4611344" "4926485" "4962494" "4964108" "4982435").PN.	USPAT	2004/06/17 17:44
	10	("4594729" "4769843" "4866776" "5068897" "5073944" "5285503" "5710818" "5883961" "6067360" "6307941").PN.	USPAT	2004/06/17 17:49
	11	("1938256" "2069853" "2577893" "3182271" "4179669" "4641344" "4648117" "4710962" "4815142" "4823392" "4864246").PN.	USPAT	2004/06/17 17:58
	7	("3757254" "3784749" "3930208" "4035739" "4071695" "4218662" "4550426").PN.	USPAT	2004/06/17 18:00
	22	(((lowpass low adj pass) and (adjustable variable) and (gain attenuat\$3 level volume)) and (differential adj amplif\$4 subtract\$ difference)) and (left and right)) and 381/86.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 12:02
	11	("1938256" "2069853" "2577893" "3182271" "4179669" "4641344" "4648117" "4710962" "4815142" "4823392" "4864246").PN.	USPAT	2004/06/18 11:38
	16	4648117.URPN.	USPAT	2004/06/18 11:56
	70	("3229038" "3246081" "3249696" "3665105" "3697692" "3725586" "3745254" "3757047" "3761631" "3772479" "3849600" "3885101" "3892624" "3925615" "3943293" "4024344" "4063034" "4069394" "4118599" "4139728" "4192969" "4204092" "4209665" "4218583" "4219696" "4237343" "4303800" "4308423" "4308424" "4309570" "4332979" "4349698" "4355203" "4356349" "4393270" "4394536" "4408095" "4479235" "4489432" "4495637" "4497064" "4503554" "4567607" "4569074" "4589129" "4594610" "4594729" "4594730" "4622691" "4648117" "4696036" "4703502" "4748669" "4856064" "4866774" "4866776" "4888809" "4953213" "5033092" "5046097" "5105462" "5146507" "5208860" "5228085" "5251260" "5255326" "5325435" "5371799" "5533129" "5572591").PN.	USPAT USPAT	2004/06/18 12:01
	21	1844422.pn. 1993859.pn. 2137032.pn. 2343471.pn. 2395159.pn. 2808466.pn. 3013125.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 12:35
	11	3229038.URPN.	USPAT	2004/06/18 12:32

	19	381/102.cccls. and (low adj pass lowpass)	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/18 12:35
	6	("3828133" "4150253" "5133014" "5359665" "5422602" "5424488").PN.	USPAT	2004/06/18 12:36
	1	6023513.URPN.	USPAT	2004/06/18 12:37
	11	("3828133" "4150253" "5133014" "5359665" "5422602" "5424488" "5705950" "5748747" "5848165" "6023513" "6111960").PN.	USPAT	2004/06/18 12:37
	124	381/102.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/18 13:33
	5974	virtual near3 (\$4speaker sound source)	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/18 13:34
	387	(virtual near3 (\$4speaker sound source)) and 381/.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/18 13:34
	43567	transfer adj function	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/18 13:34
	176	((virtual near3 (\$4speaker sound source)) and 381/.CCLS.) and (transfer adj function)	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/06/18 13:35
	10	("4594729" "4769843" "4866776" "5068897" "5073944" "5285503" "5710818" "5883961" "6067360" "6307941").PN.	USPAT	2004/06/18 13:50
	13	("4349698" "5325435" "5440638" "5524053" "5546465" "5579396" "5680464" "5761315" "5799094" "5822438" "5844993" "5870480" "5974153").PN.	USPAT	2004/06/18 14:20
	7	("4004095" "5596644" "5734724" "5841879" "5862227" "6125115" "6173061").PN.	USPAT	2004/06/18 15:46